



The

GW

# HATCHET

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THE LITTLEST CHEERLEADER: a young fan cheers on the GW Colonials.

photo by Mat Verna

## GW 1989-90 budget on hold

by Kerry Kane  
Asst. News Editor

GW's budget proposal for the 1989-90 fiscal year has yet to be released, leaving many GW students and administrators, including some in Rice Hall and the GW Student Association, wondering what has caused the delay.

According to University Budget Director Robert Shoup, "we're considering a number of different types of possibilities to expand the expense budget, but right now I am not in a position to release any information."

"It does seem a little strange that the University has waited this long to announce the budget," GWUSA president Raffi Terzian said. "There seems to have been a shroud of secrecy regarding next year's budget."

There has been no formal statement released by the Budget Office or the Office of the President outlining the proposed budget for next year.

"We (the Budget Office) have been working on a review of the current budget, working on and participating in a review of all parts of the financial budget," Shoup said. "We've been taking a comprehensive look at the various sources of revenue."

"As to when it is going to be released, I don't know," he said.

"As of yet, we (GWUSA) have not yet been consulted with regard to the formation of next year's budget, but it is a prospect I am actively pursuing," Terzian said. "I suspect that next year's budget will be very similar to this year."

"In terms of tuition hikes, one aspect (GWUSA) will be looking to extend is the cap of 10 percent for the next several years."

According to Robert Chernak, vice president for Student and Academic Support Services, there are currently two separate exercises taking place regarding the budget.

The first is the President's Budget Advisory Team, which includes GW faculty, deans, vice presidents and students. Its objective, Chernak said, "is to develop criteria and guidelines for the 1990-91 fiscal year."

The second exercise concerns the budget for the 1989-90 fiscal year. According to Chernak, the administration has been working on its proposal for the last eight weeks, but it is still being "fine-tuned." Chernak was able to make some projections about the 1989-90 budget, however.

(See BUDGET, p.6)

## Dishonesty code identifies sanctions

by John F. Maynard  
Hatchet Staff Writer

The new University Policy on Academic Dishonesty, approved by the Board of Trustees in May, has now been made available to students in its first published form in the 1989 Spring Schedule of Classes.

According to GW Vice President for Academic Affairs Roderick French, the policy is of the utmost importance. "It's like a non-negotiable item," he said. "If we lose our integrity in teaching, the whole enterprise is corrupt."

The policy, which was proposed by the Joint Committee of Faculty and Students and endorsed by the Faculty Senate, contains eight sections that define and outline academic dishonesty, the hearing process, sanctions and appellate review.

French said the new policy is a modification of the previous one. "One of the most important revisions was to give a much longer set of sanctions," he said. "There was unhappiness with the older policy in that the sanctions weren't differentiated to fit different forms of crime, so to speak."

"Penalties inflicted may have been too heavy or not heavy enough. By having a broader range of sanctions, we are able to specify a penalty."

The new policy contains a total of 11 sanctions. The document states, "when faculty members or University officials discover ... apparent academic dishonesty, they must act ... to invoke against the alleged offender one or more of the ... sanctions."

Some of the sanctions include a written reprimand from the dean, a grade of F for the course and suspension or expulsion from the University.

GW Student Association President Raffi Terzian said the new policy still has some shortcomings. "Students do not take it seriously," he said. "There

is really no widespread commitment to prevent cheating from occurring ... it's up to a fellow student to come forward and say someone's been cheating."

Terzian said he hopes that one day prevention of academic dishonesty will be "unspoken law."

"This new policy is an attempt in protecting students' rights," Terzian said. "We need to strengthen the commitment to prevent academic dishonesty."

Professor Phillip Robbins, faculty co-chairman of the Joint Committee, said the policy is no great change from the previous one, but said he was pleased to see a broader array of sanctions.

"Since the sanctions are increased and spread out in a more orderly way, we hope the faculty will bring forth more cases," Robbins said.

He praised a memo, which appeared in part in The GW Hatchet on Oct. 31, written by French to the faculty. "I think (French's) letter was right on target when he wrote that if cheating has become more of a problem than in the past, then the faculty must accept part of the blame."

"It is the faculty's responsibility," Robbins said. "Many times a lot of students feel as if they are being cheated when the faculty does not respond."

French wrote in the memo that to not invoke sanctions in a case of academic dishonesty would make a faculty member "guilty of professional dereliction."

"Academic dishonesty may be committed by the students," French stated, "but it is a faculty problem. We are the custodians of our scholarly traditions. We are the managers of our classrooms."

"Any form of academic dishonesty compromises the trust on which the academic community functions."

## The days when \$56 would cover it all

by Patrice Sonberg  
Hatchet Staff Writer

The year was 1840. Columbian College, the precursor of GW, had recently received a federal grant of \$25,000 in city lots. Tuition for a boarding student was \$56.

The times have definitely changed, as proved by the Department of Special Collections' exhibit on the "First 50 Years of Columbian College," on display until Dec. 30 at the Gelman Library.

The exhibit is a condensed collection of materials stored in the University archives. Included are rare books from the original college library, circulars, excerpts from daily newspapers of the time and photographs of professors and past

presidents. Other themes covered are student societies, the Columbian Preparatory School and the medical and law schools.

The exhibit aims to "document this very interesting period when the school was struggling to develop and was most receptive to support and encouragement from beyond its campus community," according to GW Rare Book and Manuscript Librarian Suellen Towers.

"The exhibit is here for whoever wants to view the early history (of the University) in a documented form which normally you would not see all together at the same time," Anderson said.

Opening in 1821, Columbian College's first commencement was in December of 1824. Speakers at

the event included President James Monroe, Secretary of State John Quincy Adams and the Marquis de Lafayette.

"They adjourned Congress and the Supreme Court early on the day of the commencement. Not many schools can make that statement," University Archivist David Anderson said.

During the early years, GW was home to several student societies such as the Philoprenian Society, the Ciceronian Society, the Nu Delta Society and the Enosinian Society. In comparison to the fraternities and sororities of today, these organizations were "more like literary and debating societies," according to Library Assistant Chris Kehrwald.

Artifacts such as old grade books and written papers from the Preparatory Department of the Columbian College are also displayed. According to Anderson, many of these students went on to Columbian College after attending this high school-like institution.

In 1821, the library consisted of two rooms in the original college building on "College Hill." Many of the earliest luminaries of Columbian College shared a belief in the teachings of the Baptist Church; thus, there was a strong element of religion and theology in the library.

An article published in an 1847 edition of The Saturday Evening News described the college's financial difficulties, which they had

(See EXHIBIT, p.6)

### INSIDE:

**Opinion tackles animals rights, human needs, columns-p.5**

**President Trachtenberg authors trustee scholarship fund for deserving, needy students, story-p.9**

**Smithereens take Warner Theater by storm—review, interview-p.10**



# 'Final' final exam schedule available soon

by Amy L. Tress  
Hatchet Staff Writer

The University's corrected tentative examination schedule, which has raised the hackles of many GW students who already made vacation plans, is actually a re-issue of a schedule first distributed on Aug. 29, the first day of registration for the fall semester, according to University registrar J. Matthew Gaglione.

Gaglione said a mistake was made last April when the fall schedule of classes was being prepared. While the dates of the final exams were printed in the correct order, the class codes that accompanied them remained unchanged from the spring semester.

The original schedule was "fouled up" and the newer schedule was "a correction as opposed to a change,"

Gaglione said. The same codes are used year after year, he said, but a separate set is used for the fall and spring semesters.

"Somebody didn't change the codes on the word processor," Gaglione said, resulting in the error.

University Scheduling Officer Helen Stetter said there have been no additional changes in the exam schedule since the corrected insert was distributed in late August.

Gaglione said he "wouldn't rule out" further individual exam changes. Any such changes would be made at the discretion of the individual academic departments.

Most faculty members, however, said there are no further scheduling changes planned by their departments.

Christopher W. Sten, associate professor of English and chairman of the English department, said he did not know of any expected changes in his department.

Journalism Professor Phillip Robins also said there will be no changes made in the final exam schedule of the journalism department.

The re-released schedule has still frustrated some students. Julie Hersman, a sophomore from Ohio, said she "already wrote down (her) exam schedule and started to plan the weeks prior to exams to study" when she realized the schedule had been changed.

Hersman said she had not yet made travel plans but she was concerned

about the changes some of her friends would have to make.

Jill Miller, a junior from New York, said she is "very upset about the whole matter." Under the incorrect schedule, her finals fell at the end of the first week. When she discovered the change, she found out that all of her finals were in the first three days.

Miller now has four tests in three days and said it is "not a very fair way of showing how good you can do."

Gaglione said a "final final exam schedule" will be printed and distributed the week before Thanksgiving break. The schedule will be available in the University registrar's office in Rice Hall, the deans' offices and at the Marvin Center Information Desk.

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## GW's out for blood

Blood dripped from dozens of people on Halloween, but afterward the victims drank juice, ate cookies and watched cartoons—recuperating from giving blood in the University blood drive at the Marvin Center.

The blood drive was held on Halloween because "of a little humor that was involved, but also because of availability of space and the Red Cross," Temsky said.

"It's not fun," GW sophomore Rachael Schwartz said, "but it really helps people... actually, it's a little fun on Halloween."

The blood drive gathered approximately 65 pints of blood, according to Ruth Downing, R.N., of the American Red Cross.

"We basically met our goal," said Jevera Temsky, coordinator of the event. "We had about average turnout for a drive of this length." She said 71 people donated.

Approximately nine people were turned down, Temsky said, because they were too weak to donate due to colds.

"It's been a really nice day. The Red Cross has been wonderful even though they are sticking a needle in my arm," Temsky said.

"They are well organized and have a good sense of humor," she said. "There have been good snacks, good videos and great volunteers."

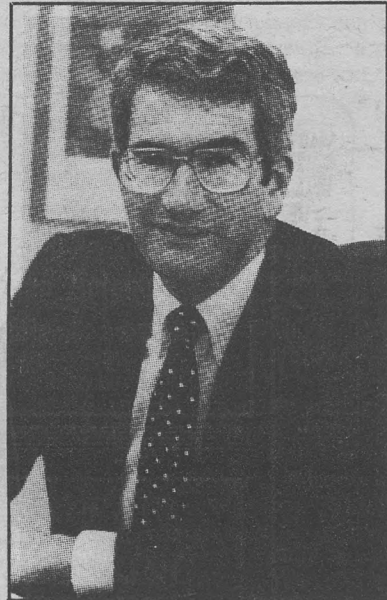
-Brian Heeger

## Two new GW trustees elected to Board

The Board of Trustees recently elected two new members: Dr. William H. Cooper, an alumnus of the GW School of Medicine, and Myron P. Curzan, president and chief executive officer of MPC and Associates.

Cooper, who got his M.D. from GW in 1949, is a Fellow of the American College of Obstetricians and Gynecologists and the American College of Surgeons. He is also a diplomate of the American Board of Obstetricians and Gynecologists, the American Board of Medical Examiners and the International College of Surgeons.

A 1946 graduate of Western Reserve University, Cooper was an intern at the GW Hospital from 1949 to 1950.



Myron P. Curzan

He currently holds an appointment as clinical professor emeritus of obstetrics and gynecology in GW's School of Medicine. He taught at Georgetown University and held visiting professorships in Japan, South Africa, the People's Republic of China and Great Britain.

Cooper, a member of numerous medical societies, is former president of the Medical Society of the District of Columbia, the Sibley Medical Association, the Washington Gynecological Society, the Pan American Medical Association, the Commission on the Healing Arts of the District of Columbia and the Academy of Medicine.

He serves on the boards of Sibley Memorial Hospital, Hahnemann Hospital and St. Alban's School.

Cooper has been honored by the American Medical Association and the American College of Surgeons. He has also been twice recognized by GW; in 1977 with the Most Distinguished Alumnus Award and in 1984 with a General Alumni Association Service Award.

"I feel very honored and pleased" by his election to GW's Board of Trustees, Cooper said—an appointment he said came as almost a complete surprise.

Although "once in a while, something like (an election to the Board of Trustees) was mentioned" by his co-workers, Cooper said he received no formal notice of his appointment until after the Board's Oct. 20 meeting, where the current members voted on his and Curzan's appointments, when he received a letter from University President Stephen

Joel Trachtenberg, an ex officio member of the board.

Before that, he said, he had received calls from GW's Alumni Office and from the Medical Center congratulating him.

Cooper said he assumed his term as



William H. Cooper

trustee would begin on Jan. 1, 1989.

"I'll try very much to do a good job," he said.

Curzan has been president and CEO of MPC and Associates since its founding in 1983. He was president of APCO Associates, the Arnold and Porter Consulting Group, from its founding in 1983 until January of this year.

Curzan specializes in analyzing development and managing the im-

plementation of those projects. Active in real estate and project development on a national basis, he serves on the boards of the Connecticut Mutual Life Insurance Company, the Greater Washington Educational Telecommunications Association, Inc. and the National Captioning Institute.

He is also on the board of *The Housing and Development Reporter*, a publication of the Bureau of National Affairs.

A member of the National Policy Council of the Urban Land Institute since 1984, Curzan served as panelist on several recent research projects relating to major educational institutions. He was a director of the Council on Public Interest Law from 1978 to 1981.

In the area of real estate development, Curzan has represented universities and corporations concerned with analyzing and developing multi-family housing projects, single-family housing programs and mixed use facilities.

He played a principal role in the management of the program leading to the establishment of public broadcasting's satellite interconnection system. He was project manager of a joint Department of Education/PBS project that developed captioning for the hearing impaired.

A 1965 magna cum laude graduate of Columbia Law School, where he was a Harlan F. Stone Scholar, Curzan holds an M.A. from Yale University, where he was a Woodrow Wilson Fellow. He received a B.A. in 1961 from Columbia College, where he was elected to Phi Beta Kappa.

Curzan was a judicial clerk to Roger (See TRUSTEES, p.6)

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# Editorials

## Peace through courage

The much anticipated elections in Israel have come and gone, leaving Yitshak Shamir's Likud party the apparent winner and the government in the process of forming a coalition with the various religious parties. The question arises, how will this new government handle the various domestic and foreign policy issues that will affect the future of Israel?

There is a school of thought which says Shamir will be able to capitalize on the "Begin Principle," the ability to negotiate through a perceived position of strength. As a "hawk," he possess the domestic and international credibility to do so.

There is another school of thought which states that Shamir, having no desire to negotiate for peace, will use any means necessary to maintain the status quo in dealing with the Palestinian uprising and the prospects for peace with the Arab world.

Several things must be noted. First, as no Arab nation besides Egypt will even formally recognize the right of Israel to exist, chances for negotiations are bleak. Jordan has fairly cordial relations with Israel, but King Hussein has not formally recognized Israel out of fear of being assassinated by Islamic fundamentalists, as was the fate of former Egyptian President Anwar Sadat. Yasser Arafat has shown neither the courage nor the control over his factionalized Palestine Liberation Organization to formally recognize Israel.

At the same time, however, it is not entirely the prerogative of the Arabs to work for peace. Israel should be trying to facilitate policies that will best serve its security concerns, but at the same time alleviate the suffering of the Palestinian people. Their misery is real and must be addressed, but it must be made clear that Israel can and will negotiate on this issue from a position of strength.

It will take strong leaders from both sides to achieve the goal of peace in the Middle East.

What Shamir chooses to do remains unclear. We must hope, however, that he will choose to work for the betterment of all peoples in the region, or else this election will have solved nothing and the precarious status quo will continue.

## Look to the halls

With the School of Government and Business Administration actively seeking a new dean, and Columbian College of Arts and Sciences preparing to do so, discussion should focus on the pool of candidates from which the dean search committees will select.

It is our opinion that due consideration should be given to in-house candidates. We are particularly concerned with the fact that only candidates from outside of the University appear to be seriously considered. This reverse exclusivity sends a starkly unencouraging message to the whole University community. Common sense proves that the single greatest motivator in any occupation is the opportunity for advancement. By essentially passing over an entire corps of qualified candidates from within the school, the dean search committee threatens to alienate these loyal servants.

Even in its early stages, the committee has demonstrated at best a perfunctory interest in GW applicants, as is demonstrated by the committee's use of a hired, external search consultant. Regardless of how the members of the search committee may feel about the subject, it's clear this consultant has no specific intention of recommending candidates from within the University.

Some have argued that SGBA is so wrought with problems that external help may be needed in order to provide a fresh face with fresh solutions. While we agree the school has significant obstacles to overcome, we do not agree they are so overwhelming that an external candidate should be favored over internal candidates. How will an "outsider" automatically have a better view of the school's problems than someone who knows the ropes, even if they are twisted? In our opinion, an insider is just as prepared to deal with the school's problems, having a seasoned view of the peculiarities and hopefully an understanding of how the school will react to certain changes.

Students have been given a voice on the SGBA committee and hopefully CCAS will follow suit. The next step is for the committee to afford their professors and administrators the respect they deserve by allowing them to compete on an equal footing with outside candidates.

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## Letters to the editor

### Dumbo devotion

Dumbo thought he could fly because of Jiminy Cricket's feather, but the only reason he could fly was because he believed in himself. In her article about New Age crystals, (Oct. 24, The GW Hatchet), Denise Helou states her belief that crystals also have the ability to help people "fly." But then she circles herself by saying that the reason people can "fly" is because they believe.

According to Helou, crystals have real power to channel and direct subconscious energy. But Helou later says that stones have no power unless one believes in that power. In other words, one should put faith in the power of crystals because they do have real power, but there is no power unless one believes. This is called circular reasoning. Why do you believe in crystals? Because they have power. Why do they have power? Because you believe. Why do you believe? Because they have power. Ad infinitum.

Helou says crystals can be a good spiritual outlet since they "(are not) too spiritual for most Americans." The author also makes a point that crystals are easier to study than occult and witchcraft arts such as astrology and Tarot cards. Too many people simply believe whatever is told them. After all, it is far easier to accept popular opinion than to examine objective evidence. Such is the case for

New Age crystals. Believers in crystals promise self-fulfillment, but this is a lie and a fraud.

The New Age movement is pabulum Christianity. It promises the lessons of Christianity without the responsibilities of faith. It also is an oversimplified belief (one hesitates to call it a religion). The New Age promises without expecting anything in return except tacit belief.

C.S. Lewis, author of *The Chronicles of Narnia* books, warns, "It is no good asking for a simple religion. Real things are not simple ... If we ask for something more than simplicity, it is silly then to complain that the something more is not simple." False prophets promise rewards without effort, while Christianity is more than just a Sunday morning ticket to heaven; it's a lifetime commitment.

The real world is not a simple place, and finding refuge from its pressures involves more than holding a piece of crystalized mineral and wishing. Unlike Moonstone, one cannot "just say no" and turn his back on reality. Ideals are light-years away from pragmatic, workable solutions. When Jesus said to Peter, "Upon this rock I shall build my church," he did not mean amethyst or a carnelian. Real faith requires real dedication, not Dumbo devotion.

-Jim Holton  
-Glenn Harden

### Justice

It is hard to believe the audacity of Mr. Abukhadra and his friends. They seem to believe that ownership of a \$135,000 car, (that's enough dough to purchase at least three GW degrees), puts them above the laws that the rest of us have to follow. When we get tickets, we always pay them if we're wrong. If we feel the charge is unjust, we pursue the matter through legal channels. Mr. Abukhadra, on the other hand, assembles a mob.

For too long, the overpriced toys of scofflaws like Mr. Abukhadra have illegally cluttered the pristine open spaces of GW's campus, creating inconvenience, hassle and danger for the already suffering public of the University. If there were any justice in the District of Columbia, Mr. Abukhadra's key-stealing partner in crime would have been tossed in the slammer, and the offending Lam-borghini would have been "accidentally" damaged during the towing attempt. But under the governance of the ceaselessly inept Mayor Barry, justice is probably too much to ask for.

-Al Mahoney  
-Gary Fodim

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# Opinion

## Medical Research: two views from the top *Animal research: there are no alternatives*

It is unfortunate that so many writers advocating "animal rights" as it relates to the use of experimental animals misrepresent the purpose of the use of the animals or the circumstances in which their use arises. The two letters in the October 20 issue of The GW Hatchet are written in just this vein.

Mr. Stein says "Attempts to study disease using non-human animals in labs cannot be successful because any disease occurring in a particular animal is never the same as the disease which manifests itself in any other animal." This remarkably naturalistic attitude ignores essentially every medical advance known to modern society. How, Mr. Stein, have essentially all drugs produced since 1962 managed to have survived the FDA-mandated animal studies if their efficacy in these animals is irrelevant?

It is only a rare exception that an investigational drug is brought forward by its manufacturer to be tested in humans which was not shown effective using experimental animal models. The only alternative to animal tests in this setting is to directly use this potentially therapeutic chemical in man. Yet this not an alternative at all. Beyond the federal regulations, all medical experimentation is expected to follow the Declaration of Helsinki, a document prepared after World War II to prevent the atrocities of medical experimentation which occurred in Nazi Germany, not for the economic benefit of the researchers. Among its provisions is the statement, "Clinical research ... should be based on labora-

tory and animal experiments or other scientifically established facts." This does not address the question of whether animal models are perfect, but rather states that man must be the final experimental site, not the first. Humans may not be used as "guinea pigs," Mr. Stein, yet reduction in the use of animals in medical research can have only two outcomes: either a reduction in the rate of medical experimentation, or more experiments of a much riskier nature in humans. The lack of perfection in animal models should not deter such experi-

**Fred P. Abramson**

ments nor diminish the importance of preclinical testing in protecting human subjects.

I'm particularly glad to see Mr. Stein cite the example of DES because it shows how shallow his reservoir of facts is. Rather than be a case of a breakdown in the use of animals to protect humans from risk, the history of DES is an excellent example of how important efficient preclinical testing of drugs is in reducing possible hazards of medications. DES has been a major drug in the treatment of prostate cancer since the early 1940s. In the 1950s (before the FDA required the current battery of animal tests) it was proposed by some doctors for use in cases of threatened miscarriage, since that condition was believed to be the

result of inadequate estrogen production in the pregnant woman and DES was the only available estrogenic drug. This untested medical hypothesis was untrue—DES had no effect on miscarriages. Some of the daughters of these pregnant women developed vaginal cancer as a consequence of their mother's drug treatment. If properly tested, the lack of efficacy of DES in moderating the miscarriage rate in pregnant animals would have prevented it from being used in these women.

Mr. Stein also has a very altruistic view of the American people (and also most of the rest of the developed world). Yes, we shouldn't smoke, eat too much fatty foods, accept too much stress, shun exercise, drive too fast and a host of other self-induced risk factors, but we do. Should we just go "Tsk, Tsk!" or should we attempt to reduce the consequences of these risks? We do require seat belts and motorcycle helmets to help minimize that set of risks. Mr. Stein, I think you are too self-servingly smug about drugs to prevent the consequences of human frailty.

Now, Ms. Green, RN. How interesting to see that you have moved from health care to law school. Your view that drug companies are conducting animal tests to shield themselves from product liability claims probably has some truth to it, but the damage that lawyers have done has not likely improved the health of the public nearly as much as it has helped their own economic health.

My favorite example is that of

Bendectin. This was the only drug approved for morning sickness, that period of nausea and vomiting that frequently occurs during pregnancy. As Ms. Green presumably knows, at its extreme, this is not a trivial sickness, but can threaten the well-being of both the mother and the fetus. A few years ago, the manufacturer removed Bendectin from the market but not because of any proven adverse reactions. In fact, the ingredients in Bendectin were exceptionally well investigated in both animals and epidemiological studies in pregnant women, and shown to be safe. These data were regularly presented in court, yet when women who had given birth to a child with a defect (which is an unfortunate event in some 2-3 percent of all births, but without any known cause) presented their deformed offspring, the jurors' awards were so high that the company withdrew the product from the market.

To me, the most rational argument over rights is for patients' rights: the right to have the safest, most effective treatment for a current disease; the right to prevent the consequences of some aberration in one's normal physiology from destroying one's organs; the right to the best trained medical specialists, etc. I hope that neither Mr. Stein nor Ms. Green are hemophiliacs, the majority of whom have contracted AIDS from contaminated blood products. I hope that they did not need a blood transfusion several years ago before testing of blood was routine and efficient. If I were among that population, I would be much more

interested in seeing the most money spent on cures, and let all the other considerations take second place. These cures will only be developed with vigorous work in the laboratory where experimental animals remain a critical component.

There are so many other inaccuracies in these letters that I do not want to dilute my main argument with a number of diversions. Statements that there are 15,000 new drugs each year and 12,000 drugs removed per year are incredible misstatements, considering that there are only 2,000 chemical entities in the entire U.S. formulary. Some 20 new chemical entities are approved for sale each year and many fewer taken off.

There is one error so egregious that I cannot let it go. Mr. Stein imagines that the sources of funding of the National Research Council's study slanted its conclusions. As a former member of one of those study panels, I can tell you that nothing could be further from the truth. The NRC is the research arm of the National Academy of Sciences. The NAS has no research funds of its own, but works with funds it solicits from interested parties. Each study panel is made up of experts from around the country with expertise in appropriate areas. The panel members work with no remuneration, so it is rather hard to influence someone when no money is involved.

*Fred P. Abramson, Ph.D. is a professor in the Department of Pharmacology.*

## *Misdirected resources: whales vs. people, etc.*

As a member of the medical community, I feel compelled to respond to the articles by Lawrence Stein and Patrice Green on the issues that surround animal research. To the extent that they ask for rationally designed experiments that provide for humane conditions for the animals involved, I agree. To the extent that they seek to encourage the growth of preventive medicine, I agree. To the extent that they state that "attempts to study disease using non-human animals in labs cannot be successful," I disagree. Emphatically.

Both articles misrepresent, misunderstand or distort the process of using laboratory animals for research. There are two types of laboratory testing; both are interrelated. The first involves testing drugs and chemicals to determine whether they might be harmful to humans. For new drugs, this step precedes human clinical trials. The second type of testing involves the use of animal models to predict human disease.

Ms. Green selectively quotes Joseph Kovacs, an NIH researcher, as stating "you can't directly extrapolate from animals to humans." True. You can, however, draw some strong conclusions from animal experiments to human experiences. Many animals share enzymes, proteins and other body components. Some are identical

in animals and humans; others differ slightly. All animal research is based on the concept that mechanisms and disease processes in animals will, in many cases, resemble those found in humans.

What these experiments do is help to pinpoint drugs that may be helpful or harmful to humans. Mr. Stein complains that "similar" is not a scientific term. He's wrong. The similarities work as a type of screening process, to help weed out potentially harmful drugs, or to select potentially helpful drugs.

I should note that sometimes the differences between humans and animals can be exploited in laboratory testing. Both articles note that non-human primates do not develop AIDS, and cite this as an argument against AIDS research in primates. They miss the point. If we can discover why the primates do not develop AIDS, we may be able to exploit this knowledge to prevent humans from contracting AIDS.

We're not sure what Mr. Stein and Ms. Green advocate in the place of animal testing. Do they prefer that we don't use drugs at all? Or do they advocate testing them directly on humans. Either of these positions is quite evidently absurd. Another possibility, the use of genetically cloned cells is promising but can't yet replace

all animal testing. Even the failures of the drug testing system, of which the most notorious are thalidomide in Europe and DES in the U.S., simply underscore the need for some type of testing before drugs are given to humans.

I must also address an erroneous, yet widely prevalent viewpoint that is reflected in Mr. Stein's article. He seems to believe that humans are

**Jon Sevransky**

responsible for their own illness: a variation upon the "it's your fault that you're sick" school of thought. It is easy to point a finger at an overweight, male, pack-a-day smoker, and tell him why he developed cancer. While his smoking probably did contribute to his cancer, we must also note that there are overweight males who smoke a pack a day and don't develop cancer. Clearly there are other factors than lifestyle that lead to cancer.

Both Mr. Stein and Ms. Green seem fond of figures; although figures are more often misused than properly

used, I'd like to counter with a few of my own. This year, over one million people will develop cancer, and an additional four hundred thousand or so will die of this disease. Cancer is second to heart disease as a cause of mortality in this country. Even if we were to turn our backs on the 70 to 90 percent of the people whose cancers are preventable, that would leave us with one to three hundred thousand people whose cancer cannot be considered the "fault" of the person who develops the disease. Even if I were to follow Mr. Stein's lead and cast out the cigarette smoking, meat chomping, alcohol slurping populace, there would remain a large number of stricken innocents.

Medicine is not yet an exact science. With the so-called preventable diseases, we cannot always directly attribute them to a certain act. There are certain risk factors that will tend to increase your chances of getting a disease. For example, living in a house with high radon levels may increase your chances of getting cancer. Or having (unprotected) sexual intercourse with a homosexual or IV drug user will increase your chances of contracting AIDS.

A final point on the animal vs. human controversy. We just spent huge amounts of money, and devoted endless news coverage on three trapped

whales in the Arctic. In a city that has the highest infant mortality rate in the country; in a country that ranks well below most European countries in infant mortality; and in a world where one in five people don't get enough to eat; this is a shocking misdirection of resources.

Animal research allows us to help pinpoint some risk factors that lead to disease, and helps us to search for new ways to combat disease. Even the figures quoted by Mr. Stein on diet, lifestyle and cancer were derived, to a large extent, from animal research.

Ms. Green writes her article as "a member of the animal rights community." I would like to point out the obvious: that she, and I, also belong to the human community. As such, I support the use of animals to help alleviate human suffering. As a system goes, animal research is neither perfect nor infallible. We certainly need to do all we can to prevent needless use or suffering of research animals. We also need to pay more attention to preventive medicine. At the moment, though, animal research remains the major method of testing new drugs on the market. Not to perform such testing would be foolish and immoral.

*Jon Sevransky is a second year medical student.*



# Budget

continued from p.1

"On the expense side, there will be no major changes enacted," he said. Shoup agreed with Chernak, saying that there "probably won't be any cuts of a significant nature next year."

However, Shoup said, "there is no question that there will be a tuition increase."

President Stephen Joel Trachtenberg, at the October Town Meeting, acknowledged that there would be a tuition increase next year, but pledged that it would not exceed 10 percent for returning full-time undergraduates. The 10 percent cap was set as a guideline by the previous GW administration.

"There has been a major change in the way the budget is being prepared," Chernak said.

The past method for creating a budget, he said, included individual

departments submitting budget requests to the Budget Office and having that proposal either approved or adjusted.

"Because the University has been operating in somewhat of a deficit position, amounting to \$2,000,000, the first \$2,000,000 of incremental budget has to go to creating a balanced budget. The current projected outcome deficit is 2 percent. To make up for it, we have asked departments to put aside 1 percent" of their allocations, Chernak said.

Departments will be receiving 99 percent of what they had anticipated for this year, he said. "Everyone will be getting that 1 percent back next year."

Chernak said the combination of the 2 percent budget deficit, the GW employee benefits fund and student financial aid will "eat up most of the incremental budget for 1989-90. That's the reason we want to start to plan for 1990-91 and get into a more rational line of action."

"What we're striving for in 1989-90

is to have a balanced budget," he said.

One Rice Hall official, who wished to remain anonymous, addressed the issue of fees as a possible future addition to students' costs. In addition to a base tuition fee of \$9,620, the University of Hartford-Trachtenberg and Chernak's former place of employment—imposed "fees from A to Z" on students, said the official. "This same policy may be grafted on to the tuition" at GW.

"Any student who gets financial aid or tuition benefits, when the fees are buried in tuition, they are covered 100 percent by grants and benefits. Those students who get institutional gift supports wouldn't get their full costs covered," the official said.

Shoup, when asked about student fees, said "our whole fee structure is being reviewed."

"It is being investigated," Chernak said. "It breaks down into a number of issues," including the GWUSA student referendum and a variety of other "normative" fees.

"Which of those, if any, will be included, I don't know. It would be purely conjecture on my part at this time," Chernak said.

# Exhibit

continued from p.1

recently overcome. The reporter wrote that "the situation is perfectly healthy" as the college's enrollment resumed its norm, totaling 94 students.

Minutes of the Board of Trustees meeting stated that the Columbian College was established "for the sole purpose of educating youth in English, foreign languages, the liberal arts, sciences and literature."

Admissions requirements were difficult, considering the applicant had to possess an "elevated character." In addition, he had to pass examinations in English grammar, geography, arithmetic, Latin grammar, Greek grammar, Virgil, Sallust, Caesar's *Commentaries*, Cicero's select orations, the Latin and Greek Testaments and Dalzel's *Collectanea Graeca Minora*. The applicant also had to be able to translate English to Latin.

The school's name changed to Columbian University in 1873 and gained its present title in 1904.

# Trustees

continued from p.3

Traynor, chief justice of the California Supreme Court, and a legislative assistant to Senator Robert F. Kennedy.

Curzan was out of town and unavailable for comment on his recent election to GW's Board of Trustees.

With their recent appointments to the board, Cooper and Curzan join such prestigious figures as Oliver T. Carr, renowned Washington real estate developer and current chairman of the board, and Senator Daniel K. Inouye, who chaired the Iran-contra hearings. They are the 41st and 42nd members to be elected to the present Board of Trustees.

-courtesy of The GW Report

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# Computer reliability a crucial factor in nuclear crisis

*Video program addresses concerns about electronic weapons systems, accuracy of computerized data*

by Lisa Schroeter  
Hatchet Staff Writer

A video program and discussion on the reliability of computers in a nuclear crisis, sponsored by D.C.'s Computer Professionals for Social Responsibility (CPSR) Tuesday in the Academic Center, raised questions about the potential for electronic equipment to provide accurate data in such a crisis.

The video, co-produced by Boston CPSR's and Interlock Media Associates, featured interviews with government and Massachusetts Institute of Technology researchers, documentary materials on accidental nuclear war, the reliability of computers in critical situations and computer aspects of the Strategic Defense Initiative.

One major concern addressed by the video is the possible failure of computer weapons systems. Failure can occur in three areas: hardware—when a machine breaks down; software—when the wrong instructions are programmed and design—when a system finds a situation it cannot handle.

The video cited as an example the Aegis Missile Defense System, which, during a test involving 16 targets, failed six times. Warning systems have also had problems: in 1960, the "Sage" system was activated by the rising moon.

The accidental triggering of war was another major topic of the film. During a crisis, the tendency toward suspicion of premeditation from the opposing side is intense, according to the video. Proponents of computer

systems argue that "orderly procedures of peacetime will prevail," but opponents are not convinced.

Technical aspects, especially those involving SDI, were also an important question broached by the video. SDI, an armed early warning system, would go into effect immediately and destroy ballistic missiles practically at the point of launch.

Can a computer program this complex, involving millions of lines of coded instructions, be reliable in national defense? Opponents say it would be impossible to write so complex a program without any errors, but proponents contend SDI can function with "fault-tolerance" programming.

On a diplomatic level, the video stated, crises can often be diffused by human intervention, but the speed of

computer reaction eliminates the possibility of human analysis.

The discussion following the presentation brought up many individual concerns about the political and ethical questions regarding the technical aspects of computer systems.

One question, raised by John S. Gardenier of the U.S. Coast Guard, was whether or not the United States can afford to discontinue SDI research, especially since the Soviet Union has been doing similar research for years.

The point was made that the Soviet Union is quite a few years behind the United States, but Gardenier said this was not so and that a government panel investigating 20 critical military areas found the United States to be superior to the Soviet Union in four

areas, the Soviet Union to be superior to the United States in two areas and the rest relatively even.

The value of spending such a large quantity of money on weapons research was also questioned. One participant said SDI is "a vehicle for terrific research. Even if SDI is found to be invalid, it will have pushed basic research a decade forward in computer science."

Other countries, however, have managed to fund and develop technology with a higher financial gain—such as the European development of high resolution TV and the Japanese development of superconductors. The benefits of SDI as far as basic research was disputed because it is centered more on aerospace development than any other area.

## Speaker says Israeli elections based on fear rather than hope

Dr. Joyce Starr, from the Center for Strategic and International Studies, spoke to a large group of GW students Tuesday about the possible consequences of the Israeli elections, which took place on that day.

Several parties were running for the office of Prime Minister of the state of Israel, the two dominant parties being the Labor party, from the left, and the Likud party, from the right. At the time of the lecture, the Likud party was ahead, although final results were still unknown.

Starr called Tuesday "a sad day in

Israel (because) we're about to see an extended period of turbulence in Israel that isn't necessary." Yitzhak Shamir, of the Likud party, does not believe Israel can live in peace, she said, and it is the fate of the Jews to be persecuted, hated, vilified and even killed.

"There is no hope of diffusing this situation through force," Starr said. "If they (the Israelis) were to go into war today, they would not be ready" because they are not financially sound enough to build up their military.

The election was based on fear rather than hope for the future, Starr

said. "Israel doesn't know where it's going." Although she said she is ardently against the PLO and all terrorists, Starr said that in order for Israel to achieve peace, an Israeli leader will have to negotiate with the PLO. Shamir refuses to talk to Yassar Arafat, president of the PLO, she said.

The violence in Israel "is going to get worse," Starr said, but it is possible for the Israelis and the Palestinians to live together, she said, because they have a love/hate relationship in which there is a "deep togetherness."

—Shelby Rosenberg

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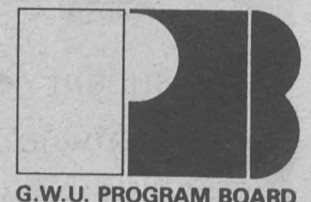
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## Woman of steel swims, bikes, runs in Ironman

Those of us who dread the days the elevators are broken because it means walking those five flights of steps to our room could learn a lot from GW Wellness Resource Director Sue Lewis, who last weekend participated in the annual Ironman Competition in Kona, Hawaii.

The Ironman competition is a strenuous race consisting of three parts. The competitors first swim two and a half miles off the shore of Kona, then embark on a 112 mile bike ride, then finish the event by running a marathon.

Lewis finished with a better time than 50 percent of the competitors and came in 102 out of the 350 women in the race.

Although she suffered a stress fracture in her lower leg two weeks before the race, Lewis said "the injury didn't affect my running during the race because it really wasn't hurting, but ... it threw me off my training schedule."

Before the injury, Lewis took part in

a comprehensive training program that included running 45 to 50 miles a week and biking 200 to 300 miles a week.

Lewis said she never thought of not participating in the event because of the injury. She did plan, however, to take it a little easier during the race.

"I had no intention of doing the marathon until the night before the race," she said. "The leg was feeling all right so I decided to do it."

"I am disappointed that the injury happened," she said. "I think I could have finished closer to the top if it didn't."

This was Lewis' first Ironman competition, but she has regularly participated in international distance races of approximately one-fourth the distance of the Ironman.

Lewis said she was very satisfied with her accomplishment. "You feel like you can accomplish almost anything," she said. "When you do this you put yourself to the test as far as seeing how far your determination can go."

-Rob Schildkraut

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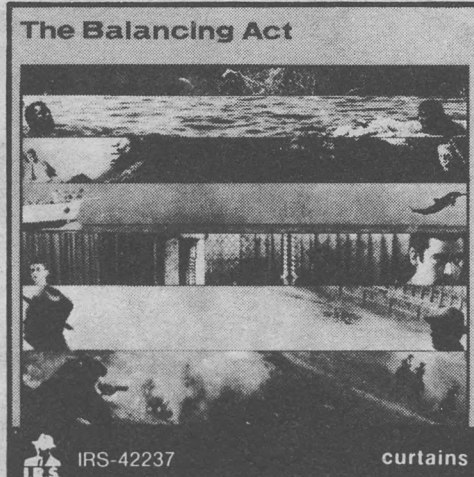
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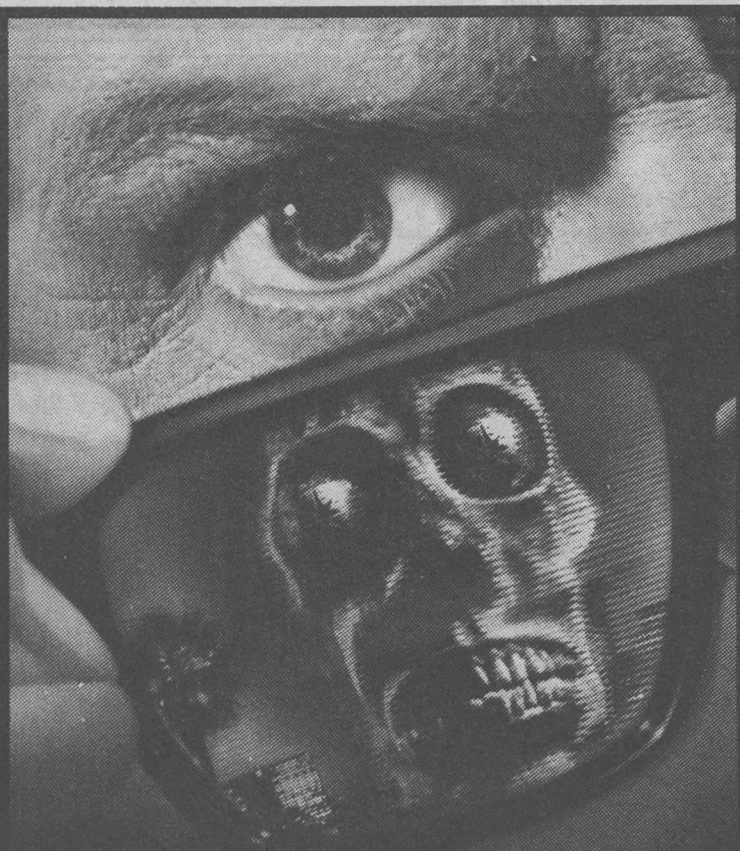
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# New trustee scholarship fund set

by Samuel Silverstein  
Hatchet Staff Writer

The GW Board of Trustees recently unanimously approved GW President Stephen Joel Trachtenberg's proposal for the establishment of a trustee scholarship fund for incoming freshmen.

Under the terms of the proposal, \$250 in University funds will be deposited in a special interest-bearing account for each meeting attended by a trustee. Since there are four trustee meetings each year, each of the 40 trustees could have as much as \$1,000 per year placed in the scholarship account in their name.

Each trustee will decide if their money is to be allocated for a scholarship at the end of each year. If the funds are not put toward a scholar-

ship, the unused money will continue to accrue interest for future use.

The program, which Trachtenberg said is designed to involve trustees in "helping to see to it that young people get the education they need in order to become productive and happy citizens," is modeled after the private sector, where "each director ... (often) gets some actual payment for taking part in governance and management."

Trachtenberg said he sees the plan as one way for GW "to creatively adapt corporate procedures to University ideals."

The Trustee Scholarship Fund would "help provide full scholarships to highly deserving and talented high school seniors who (might otherwise be unable to attend) a school of higher education that offers the advantages,

the excitement and the location of GW," Trachtenberg said.

The progress of the scholarship recipients, whom Trachtenberg said "would be chosen in the old-fashioned way," (through interviews) will be reported to the Board on a regular basis. Recipients and trustees will be given the opportunity to meet each other once a year.

Loretta Hardge, director of communications for the Office of University Relations, said "no new money is being used" for the program. The program is simply another way to invest University money for a specific cause, she said.

Trachtenberg said he hopes the program will encourage trustees, many of whom are prominent in the Washington community, to endow scholarship programs on their own.

## United Way campaign returns

The United Way campaign is back on the GW campus and administrators are looking forward to even bigger contributions than last year, when \$130,500 was collected.

Running through Nov. 11, the 1988 campaign is co-chaired by GW Director of Personnel Services James Clifford and GW Medical Center Administrator Michael Barch.

"Practically all the employers in the area participate (in the campaign) at this time of year," Clifford said. GW solicits contributions from the University faculty and staff, he said, in the form of cash, personal checks or deductions from paychecks.

The program "has been going on for at least 20 years under different names," Clifford said, "but it's all for the same purpose—helping those in D.C. who need help."

"That's what it's all about," he said.

The two week period is used to make information about the campaign available to people and encourage them to contribute, Clifford said, although donations usually continue to "dribble in" after the final day of the campaign.

"This is a very effective way of giving to various organizations,

through the United Way, that don't necessarily have the skills to raise money on their own," Barch said.

Nine out of the last 10 years, GW has been the leader among area colleges and universities in terms of the amount of donations, Clifford said. Barch said "there's not a single measure in which the other universities even come close to GW."

We're very proud of that," Clifford said. "People have shown they believe in (the campaign) and they care."

The challenge this year, Barch said, is in upping the average contribution per person.

-Kevin Tucker

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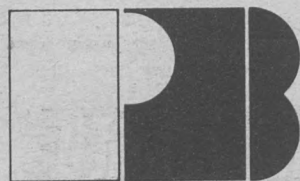
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# Capital Entertainment



## Warner fans explode to fun Smithereens

by Mark Vane

Rock and roll is supposed to be fun. Sure, it can get a message across and make you think, but too often bands kill the enjoyment of a show with heavy words and somber moods.

This was not the case last Thursday night at the Warner Theater when The Smithereens thrilled the packed house with good ol' rock 'n' roll while providing a few laughs along the way.

The Smithereens opened with "Drown in my Own Tears," off their most recent release, *Green Thoughts*, and followed with the album's title track. Lead singer/songwriter/rhythm guitarist Pat DiNizio admitted his voice was wrecked, and you could see how, considering that, as of this show, the band has been on stage 145 of the last 160 days. If The Smithereens were tired and fronting a lead singer with a sore voice, I don't think I could handle them in top form. This is one of the best shows I've seen in a long while.

"Groovy Tuesday," found on 1986's *Especially for You*, followed with its machine gun-like bridge that was flushed out with a strobe light. While watching the DiNizio, lead guitarist Jim Babjak and bassist Mike Mesaros spastically danced around the stage to drummer Dennis Diken's beat, I suddenly realized the band's attraction. The Smithereens aren't pretty boys or full of slick moves. They just let it all hang out, goof off and most importantly have a good time. If most of us were in bands, I bet we would come off looking and acting like the Smithereens.

A few songs later, the fun really began. DiNizio donned an acoustic guitar and strummed the opening licks

of The Kinks' "Lola" to which the band joined in. The audience jumped in with the vocals. Pat stopped and threw in a few Led Zeppelin riffs and continued into a song I always wanted to hear in concert: "The Ballad of Jed Clampet." The deafening sounds of "black gold, Texas tea" almost blew the roof off the Warner. What could top this previous song but the theme to TV's very own "Green Acres."

"Something New" off *Green Thoughts* came next. As the song wound down, a 18-inch high model of a Stonehenge monument was lowered to the floor, a la Spinal Tap. After two roadies dressed as elves danced around the monument, the band went into Tap's "Listen to the Flower People."

The band played the crowd very well. DiNizio sat on the edge of the stage and passed the mike around for the audience to lend the chorus to "In a Lonely Place." At one point, he even instructed the security guards to allow the crowd to approach the stage.

"House We Used to Live In" ended the set and the band returned shortly for the encore that included covers of The Who's "The Seeker" and a song they "don't know the words to," Zeppelin's "Rock and Roll."

The band's own material is extremely solid, and has grown since I saw them last July. Their harsh schedule has made them an even tighter unit.

The Smithereens are now taking a well-deserved break until May when they will record their next LP. Until then, I recommend you listen to their previous two albums to prepare for a great evening of rock 'n' roll coming to your town, hopefully very soon.

## Green thoughts of Dennis Diken

Two weeks ago I had a conversation with Dennis Diken, the drummer for New Jersey's The Smithereens. With their two LPs, 1986's *Especially for You* and this year's *Green Thoughts*, the band has gained a following without being mope-rockers or clones of U2 or REM. Textbook rock 'n' roll has put these guys on the map, along with their sense of humor and nostalgia. The best part of The Smithereens is that they really enjoy their work; their having fun flows into the audience.

The GW HATCHET: It has been said that a person has their whole life to write their first album, yet only two years to write their second album. How do you feel this relates to your second album, *Green Thoughts*?

DENNIS DIKEN: Well, we didn't have a year or two to do *Green Thoughts*. We had six weeks to write it and recorded it in 16 days. We were very please with the way things came out. Geez, I don't think you can predict or plan a way to do these things. I've heard (lead singer/guitarist/songwriter Pat DiNizio) say that he just created an artificial deadline for himself and locked himself in his apartment and came up with the material. We had one or two rehearsals and went in and cut the album. Maybe some people work better under pressure? We always have seemed to be able to rise to the occasion, we have to.

HATCHET: As you said, you recorded *Green Thoughts* in 16 days. I have also heard most of it was recorded "live." What kind of advantage to you find that has?

DD: It gives a fresh feel to the record. It keeps things hopefully sounding spontaneous and not belabored. The songs were very new and we hardly rehearsed and we wanted to keep things fresh as possible. I think it's important for a record to sound that way, rather than mechanized or programmed.

HATCHET: It must have been helpful coming from such a long tour also.

DD: You could say that. We were on the road for about 15 months and we were really getting tight. Performing and getting on that nightly plane, it really helped us greatly to be doing things in so quick a time and keep things as live sounding as they did.

HATCHET: Your sound had been compared to classic rock, how do you feel about this and how would you describe your own sound?

DD: It's hard to describe your own sound. We try to get sounds on a record that aren't going to sound dated. We try not to go with "the drum sound of the month" or the kind of sound that is popular from other records. As far as the actual recorded sounds go, and the songs themselves ... we inject our own personalities in



Dennis Diken

them. As for the songwriting itself, Pat always says he tries to maintain what he considers the classic songwriting code which is your verse, your chorus and usually a bridge-in instrumental track. It seems to me and everybody in the band that the song is the most important thing, if you don't have a good song, you're not going to have a good record in most cases. For the most part, a good song will last for years and years and years and span the ages. Maybe that's one of the things that comes across in our music. The

approach we take is really not pre-planned or that much thought out, we pretty much do what we do. We've played together for a long, long time and we just go at it head-first and see what comes up.

HATCHET: When you guys play, you really look like you're having fun, like you really love your job. How do you guys keep it up?

DD: I don't think we could keep it up if we didn't love our jobs. That's what it's all about; it's the entertainment business. We're there to entertain an audience. I don't think we could keep it up if we didn't love it. You don't have to be a huge band to be a success in my eyes, it's a gift from God.

HATCHET: You seem to have a tie to the 60s. How do you feel about being a child of the 60s, what impact does it have on your music?

DD: We are, I guess, technically children of the 50s. We were inspired to want to play pre-Beatles music. My first real love musically was stuff by The Four Seasons. The first band I really really followed was The Beach Boys. We don't try to emulate the sound, but we were inspired greatly by those records. More than anything, I think it's the spirit and innocence in that era ... it's hard to have innocence in the 80s.

HATCHET: What kind of response have you received on the tour?

DD: This tour has been real successful. Since the last tour we've gained a bigger following, part of it based on word of mouth, something that groups at our level need. Hopefully, the next tour will be even bigger. I don't try and look too far in the future. Anyone who tries to know the future or thinks about it gets upset by it. We take things one step at a time and just really concentrate on record to record, tour to tour. We just hope that more people enjoy what we're doing. We just want to continue being able to do this for a living.

-Mark Vane

## Without a Clue: 19th cent. trash

I tried, I really did. I tried to genuinely like *A Room With A View*. I tried to appreciate *A Passage To India*. But *Without A Clue*, starring Michael Caine and Ben Kingsley, was the last straw. Let's all just face it—the 19th century sucked.

I'm not sure where the whole PBS-Yuppie axis got the idea that the 19th century was a good setting for movies. One suspects that the whole Victorian idea appeals to repressed Yuppies who have to schedule sex in between encounter sessions, aerobics and make-your-own sushi classes. Be that as it may, it's no excuse for making the rest of us sit through over-long, soft-focus studies in upper-class boredom.

*Without A Clue* takes the 19th century crusade to a place most of us hoped it could never reach: comedy. The deal is this: Sherlock Holmes is not really a genius sleuth, but a drunken actor used by Dr. Watson as a front for his serial in a popular British magazine. As played by Michael Caine (*Hannah and Her Sisters*, *Educating Rita*), Sherlock is a drunken, obscene womanizer whose synapses snapped somewhere back in his washed-up acting career. No wonder Caine seems so comfortable in the role.

Ben Kingsley (*Gandhi*, *Pascali's Island*), in the role of Dr. Watson, does his usual attempt at character immersion, but I kept waiting for him to threaten a hunger strike every time he got crossed. To

exacerbate the Gandhi problem, Kingsley comes off more as a bitchy queen than a domineering manipulator.

Once again, Sherlock is given the job of saving The Empire from ruin, this time from counterfeiters who have obtained five-pound note plates. Scotland Yard tries in vain to keep up with Sherlock and Watson as they pick apart the English countryside for clues to no avail. Watson, no thanks to the incompetent Sherlock, is able to solve the case by sheer force of deductive reasoning and bad puns. Sherlock drinks and pinches women's butts, and little else.

Run and hide from *Without a Clue*.

-Steve Teles



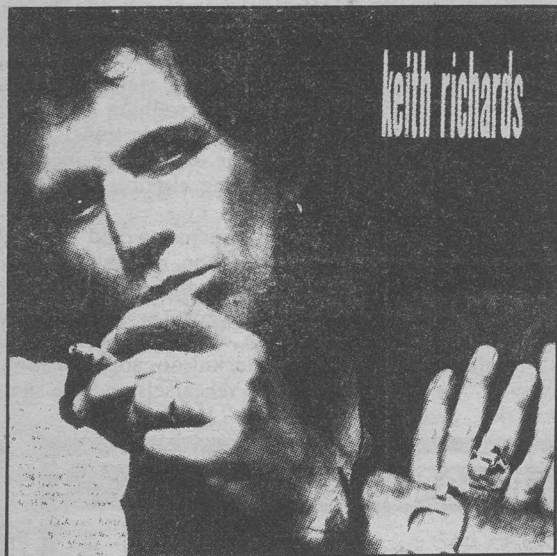
# Arts and Music

## Richards gets some satisfaction

by Mark Vane

I wish Mick Jagger had dumped the Rolling Stones 10 years ago. That way the wait for Keith Richards' first solo album would have been shorter.

Finally, after 25 years, the Stones' rhythm guitarist and co-writer of classics such as "Satisfaction," "Honkey Tonk Woman" and "Sympathy for the Devil" has come out with *Talk is Cheap*, easily his best work since 1976's *Some Girls*. Richards has applied his gritty guitar sound to



11 tracks which leave you thinking that his ol' buddy Mick may want to trash his own unsuccessful solo career and drag Keith back to the Stones.

Richards co-wrote and co-produced *Talk is Cheap* with Steve Jordan, former drummer of the band on "Late Night With David Letterman." Richards is joined with the X-pensive Winos, made up of drummer Jordan, guitarist Waddy Wachtel, Charley Drayton on bass and keyboardist

Ivan Neville.

*Talk is Cheap* had two kinds of songs: those from the Stones' unpolished, down-and-dirty genre and those with roots in extremely different arenas of music.

The first of this latter category is the opening track, "Big Enough," a tasteful funk song that has "Bootsy" Collins banging out a hot bass line and Bernie Worrell adding some moaning organ. This one grinds on in a constant groove. "I Could Have Stood You Up" is a trip back to the 50s, equipped with doo-wop back-up vocals and piano player Johnnie Johnson, who formerly played with Richard's mentor, Chuck Berry. The sound Berry gave to the world is alive and well here. The last of the distinct theme songs is "Make No Mistake," a 70s soul soother that makes you yearn for wide collars, Al Green and deep pile shag carpet.

Now for the Richards we know. The remaining eight songs are equally solid, filed out with the slicing, hard-edged guitar that carried Richard's old band for so long.

The centerpiece, however, is "You Don't Move Me Anymore." This song strangely enough sounds similar to the Caribbean-tinged songs on Jagger's first solo album, *She's the Boss*. Richards angrily lets Mick know how he feels betrayed by his leaving the Stones—who are more than a band; they possibly are a way of life. Richards sings, "You lost the feeling, that's so unappealing." Finally in the end, Keith exposes how hurt he was by his life-long friend's betrayal: "It's no longer funny, it's bigger than money."

The screeching "Take it So Hard" and the gritty "Struggle" are also highlights, along with "Whip it Up" and the rugged yet mournful "Locked Away." It is not often an album contains 11 solid songs: *Talk is Cheap* does and is so far the year's best.

Most importantly, *Talk is Cheap* will rewrite history. Many thought the burned-out Keith Richards lived the life the Stones represented as rock's bad boys, yet with this LP he will show many that he is also their inspiration and definitely the most talented member of the self-acclaimed "World's greatest rock and roll band."

## Please don't give Peace a chance

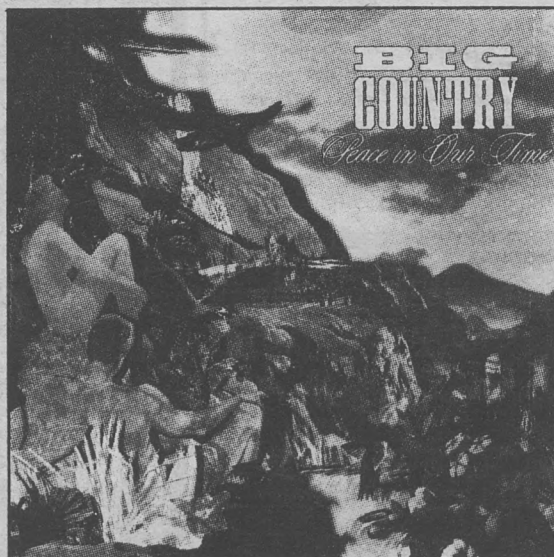
by Jon Drury

If you're interested in true disappointments, I suggest purchasing *Peace in Our Time*, the new album from Scotland's Big Country. After five years, three albums and one EP of stylistically and lyrically bold, powerful rock music, the band is now having problems which can be accounted for by the fact that their last two records, although excellent, have been largely ignored by mainstream America. Instead of accepting this, the band seems to be shuffling for ways to work their way back to American radio, a terrain they have not scratched since 1983.

The band's first record, *The Crossing*, was a big hit five years ago, placing the band on MTV in its earlier days. They earned a spot on the Grammy awards with the hit, "In a Big Country," a danceable rock song which rang with some great bagpipe-like electric guitar and Stuart Adamson's raspy, harmonious vocals.

Big Country followed that release within the next two years with two albums which were equally interesting: 1985's *Steeltown* and 1986's *Seer*.

With *Peace*, the band seems to have reached an impasse: should they make music to sell or continue making music as they did in the past that is challenging, intelligent and satisfying to listen to? Big Country's choice of the former probably comes at the insistence of their record label, Reprise. Recording now in Hollywood instead of London, the band is now trying to establish itself as a viable MTV commodity. Judging from the picture of the band inside the album of bassist Tony Butler's moussed Whitesnake hair and Bruce Watson's dreadlocks, it is now clear that the band is aiming toward a trendier, image-conscious audience. They have disposed of producer Steve Lillywhite and have now saddled themselves with Peter Wolf, who, with the "Na na na, nee nee nee" chorus on the album's first single "King of Emotion," makes it clear that this must be the same hip-hop guy who used to be with the J. Geils Band. "Emotion" has got to be one of the worst, most insulting songs ever recorded by a band of that much talent as Big Country.



Of the album's 11 songs, only three even approach the structural innovativeness of *Seer*; the rest of the album flirts too much with conventionality, ponderousness and boredom. It sees the band leaning more toward consciously commercial territory—lame Edge-like U2 guitar imitations and simple and sometimes hokey melodies will make you begin to wonder what happened to their energy and vision.

Although Stuart Adamson's voice is crisper, it has become more prominent than the instrumentation which used to push the music forward with the percussive punch drummer Mark Brzezicki once gave it. Adamson's lyrics which once had an emotional urgency when confronting socio-political issues, now seem ponderous and self-indulgent. Lines such as, "If I hold out for you will you hold out for me/ Hold out from here to Eternity," sound bare and forced. With a number of bad career moves plaguing the band and their music, one can only hope further efforts will see the band get back on track, if indeed anyone lets them get back into a studio.

## Arena's 6 Characters deserves an audience

by Liz Pallatto

Hold it, hold it. All right. It took me a couple of minutes to put my thinking cap on. Now I'm all set to review *Six Characters in Search of an Author*, a classic play written by Luigi Pirandello now playing at the Arena Stage.

That first paragraph is as cutesy as this review is going to get: this play presents some heavy duty themes and some serious acting. It's very much like attending a two-hour lecture which combines theories of reality and philosophy and lengthy introductions to play writers' angst and directorial nightmares.

The play begins with rehearsal for a play, one that Pirandello also wrote in the 1920s. The cast is set to put on yet another witty, slightly fashionable and vaguely scandalous play of the sort that prevailed at that time. In what is truly a cast of caricatures, there is a sensitive, tyrannical director, an aging grand dame and male lothario, a cranky old line caller and a few young, aspiring actors.

Then in a blaze of white light, they appear. "They" are the real characters, who have been abandoned by their author in the middle of their creation and who now long to have their story told.

It all gets very confusing from here. At first, the director is unable to accept them as characters, and in fact, refuses to hear their story at all. But then after a while he is lured and, indeed, intrigued by their history. It's pretty racy stuff for the 1920s and he sees the potential for entertainment. Indeed, there are many of the elements that make modern day entertainment so profitable, including misguided love, destitution, prostitution, a drowning and suicide.

In the process of accepting the challenge to become these characters' "author," in effect, their savior, we see the problems of

capturing and portraying images.

Pirandello is attempting to show the many problems encountered in being an author. He describes the conflicts people have when they see their work translated into reality and see their own personal reality "come to life." What one sees in one's mind and on stage are often two different things.

The frustration of trying to express either true meaning or spirit of our individuality is given life in the final scene's mocking laugh given by one of the characters, as the director sits slumped on the stage.

All of these thoughts are not easy to extract from what can sometimes seem an overlong melodrama. But the supreme concentration of these actors gives us the perfectly controlled rage of the step daughter (Roxann Biggs), the hubris of the father (Stanley Anderson) and tyrannical sensitivity of the director (Richard Bauer). Their fine acting gives us a chance to step back from the actors and consider the themes they are expressing.

Director Liviu Ciulei knows that to give us the clumsiness of theater, either in set-up, or by letting the slightest bit of acting come through, would be to ruin the theoretical situation of a play about a play. Thus the stage set-up is all done in costumes of the 1920s.

So, are you still already muttering "say no more," to yourself? You've had more than your share of information overload in the last couple of weeks due to tight mid-term scheduling and paper deadlines and you just want to turn off your brain for a bit?

Well then, that would be a real shame, for this is one of those plays that critics agree is one of the foundation stones for the development of modern theater. Besides that, it is thought-provoking and yes, even good.

Do yourself a favor and fit *Six Characters in Search of an Author* into your schedule.

## Troubadours perform at MC

The GW Troubadours are performing at their annual fall concert in the Marvin Center's Dorothy Betts Theater at 8 p.m. this Saturday.

The group is made up of 12 GW students who sing acapella. They will be performing vocal jazz numbers, as well as more serious



songs. An original composition entitled, "Tuition," sung to the tune of "Tradition" from *Fiddler on the Roof* will also be performed.

Tickets are \$3 for students, \$5 for others.



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## PB sponsors comedy night

Tonight is the second Program Board-sponsored New York Comedy Night beginning at 9 p.m. in Market Square on first floor of the Marvin Center. The doors open at 8:45 p.m. and as always, admission is free.

The comedians performing include headliner David Say, plus Kevin Lee and Billy Geisen. Beer bracelets are \$2 with age ID.

The location change from the Rat to the MC first floor will allow more students to attend this event,

always one of the most popular PB activities.

Local comedians will also be performing on the Marvin Center H Street Terrace from 1 to 5 p.m.

Don't miss the free, yes free, Smartfood Popcorn and a rumored T-shirt give away at both events

PB Arts Chairman Jeff Flam who is responsible for the event said, "There will be room for everybody. This will be one of the best comedy nights yet."

For more info, call 994-7313.

## Votes may not be safe

by Jim Holton  
Hatchet Staff Writer

More than half of the election results in America are tabulated electronically with the aid of computers, a system that can be more efficient if implemented correctly, but also more prone to errors and fraud, according to GW Professor of Computer Science Lance Hoffman.

Hoffman recently released a report entitled *Making Every Vote Count*, which discussed the advantages, disadvantages and potential of computer tabulation of votes. In February of 1987, with a sponsorship by the Markle Foundation, he organized a conference of election officials, computer scientists, political consultants and voting-machine vendors for a confidential conference on computer-tabulated elections.

The conference found many deficiencies in the process of tabulating the results of elections, including "underfunded, underorganized election communities" that are not familiar with computer security. Hoffman said there was a possibility of statewide elections being thrown into turmoil if no action is taken to correct the present situation.

A problem could be caused if only one or two precincts' results were miscalculated, Hoffman said. The result could even mean the wrong

candidate was elected and would have to be unseated once the mistake was discovered. Such a problem could theoretically affect races as important as a gubernatorial election.

Avoiding such a disaster in the future would be relatively inexpensive and easy, he said. First of all, election officials would have to be educated in running the computer software necessary.

In almost all cases of ballot discrepancy, a human has been at fault, not a computer, he said. "Computers can be a quick fix or a quick scapegoat. When they say 'computer error,' they usually mean that someone has fouled up, not that there was a problem with the software."

Hoffman recommends the formation of a joint computer expert and election official organization. Such an organization would improve communication and training regarding computer-tabulated elections. Most importantly, he said, more incentive for merit among election officials is needed.

A reward structure would raise the morale of election officials and encourage them to do better. "Election officials have to work with part-time staff and an electorate with various levels of technical sophistication. There are no rehearsals and the show can't be late," Hoffman said.

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## Security beat

GW Security officials arrested a man attempting to break into a student's jeep in Parking Lot A on Oct. 31 at 1:19 a.m., according to Inspector J.D. Harwell of GW's Office of Safety and Security.

A student summoned a security officer when he saw the man, later identified as Paul Jacob Jackson Jr., 28, trying to break into his friend's jeep, Harwell said.

When the officer saw Jackson pull a bag from the jeep, he chased Jackson through the parking garage of the National Life Underwriters Building, where Jackson dropped the bag in a dumpster behind the garage.

Jackson was apprehended at the corner of 18th and E Streets and taken to D.C. Metropolitan Police 2nd District headquarters, where he was charged with theft.

Security retrieved the bag from the dumpster and found two car cassette players and a 12-inch hatchet.

GW Security officials arrested a purse snatcher Halloween night at 12:49 a.m., Harwell said.

A security officer on routine patrol was alerted when he saw a group of costumed students running after a man carrying a purse and yelling, "Grab him! Grab him!"

The officer stopped the man, later identified as Adrian J. Johnson, 18, at the corner of 21st and H streets, at which point Johnson threw the purse under a bench, Harwell said.

Johnson was arrested and taken to 2nd District headquarters, where he was charged with robbery. The purse was recovered, identified as belonging to a Crawford Hall resident, and returned, Harwell said.

A 1989 Kawasaki Ninja motorcycle valued at \$3,350 was stolen from Parking Lot M sometime between 9 a.m. and 6:15 p.m. on Oct. 26.

Two telephones—a console multi-line valued at \$495 and a single-line unit phone valued at \$55—were reported stolen Oct. 24 from the fifth floor secretarial area of the Jacob Burns Law Library, Harwell said.

The phones were stolen sometime between 5:40 p.m. on Oct. 20 and 12:20 p.m. on Oct. 24, he said.

Harwell said Security is currently conducting an investigation in conjunction with GW's Office of Telecommunications.

A vacuum cleaner valued at \$600 was stolen from Madison Hall sometime between Oct. 18 and 19, Harwell said.

Security is pursuing possible leads in the case, he said. Suspects involved are not students, he said.

A Marriott representative reported that three envelopes, two containing a total of \$101.45 in cash and another with unknown contents, was stolen from the second floor Marriott office in the Marvin Center between Oct. 28 and Oct. 31, Harwell said.

The envelopes were in the top drawer of a Marriott employee's desk, he said. There were no signs of forced entry.

-Sharyn Wizda

## Colleges, universities need \$20 billion in repairs

(CPS)—Colleges and universities nationwide need a quick \$20 billion to patch up buildings before they fall down, campus maintenance officials said.

Then they will need another \$50 billion right away to halt campuses' physical deterioration, some 700 officials estimated in an Oct. 13 report issued by the Association of Physical Plant Administrators of Universities and Colleges and the National Association of College and University Business Officers (NACUBO).

The report warned campuses' physical crumbling has become a "ticking time bomb" in higher education.

"We have a very serious problem," said Caspa Harris of NACUBO. "This is a problem that is not going to go away."

"We know the cost of modernizing and maintaining higher education facilities is grossly misunderstood, underestimated and underfunded," said Walter Schaw of the physical plant administrators association.

Schaw said some campuses needed ordinary repairs in masonry, plumbing, electrical systems, roofing and other parts of buildings, while some schools have outdated classrooms and

laboratories that need to be replaced. Other schools have hidden problems, such as termites.

The survey, *The Decaying American Campus: A Ticking Time Bomb*, follows a National Science Foundation

report that said 39 percent of the university buildings used for research need some kind of repair work.

"The bomb has stopped ticking," Harris said. "It's about to explode."

"We are not allocating enough funds to properly maintain existing

structures, let alone renew the laboratories, libraries and classrooms necessary to provide a quality education for our young people," Schaw said.

In some cases, he added, cost-cutting has made the problem worse.

He cited the Doric columns at the University of Maryland, which for want of \$8,000 worth of painting through the years will have to be replaced at a cost of \$350,000, as an example. "Just like a car and house, it

costs more to repair if you put it off. The longer you wait, the worse the problem is."

The study estimates that institutions budgeted \$1.2 billion for repair and maintenance last year, just one-fourth of what was actually needed.

For every dollar spent on maintenance, the survey said, colleges save \$4. But unless \$20 billion is spent on repairs in the next two or three years, many buildings may be at risk of serious deterioration.



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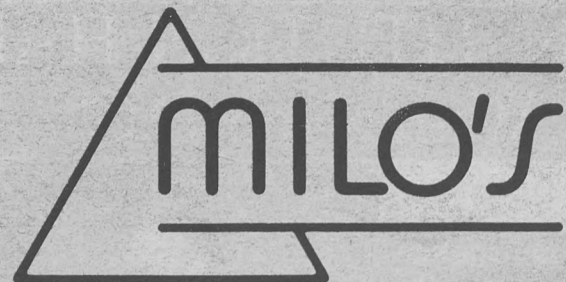
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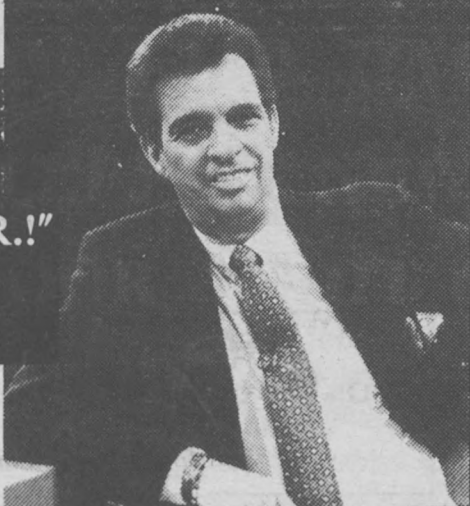
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**ATTENTION STUDENT LEADERS:** Need help organizing your team? Come to a Meeting Management Workshop Nov. 4, 2-3:30pm in Marvin Center 410-415. Call the office of Campus Life 994-6555 for info.

**Models needed** for free hair cuts, colors & perms. Wednesday evenings at Ilo's Hair Salon. 342-0350.

Phi Sigma Sigma salutes the boys in blue on November 7th.

## Personals

### ADOPTION

Loving couple, unable to have children, seeking to adopt. We can pay your legal and medical expenses. Call Gary and Toni collect 703-765-4594 or write to us at P.O. Box 8302 Alexandria, VA 22306.

**FREE PREGNANCY TESTING, CONFIDENTIAL** counseling; call N.W. Pregnancy Assist. Ctr. for appointment 483-7008.

Gary, Happy First Anniversary.  
Love, JB.

## Travel

**SKIERS-**Intercollegiate Ski Fest, Killington, VT. January 1-6, 8-13, 15-20. \$274. 1-800-872-4766.

### VISIT GORBACHEV'S RUSSIA

AU's traditional winter trip to the USSR is scheduled for Dec 28-Jan 14. 16 days in the Soviet Union will include visit to Moscow, Tallin, Riga, Leningrad. The trip can be taken for credit. All-inclusive cost \$2,295. Contact Professor Vadim Medish, American University. 885-2387.

## Lost

Lost: gold monogram ring, on October 10, on 5th Floor University parking garage. Reward offered. Call 342-1107.

## Entertainment

**STRIPPERS:** Male, Female. Birthdays, Greek, Bachelor, Bachelorette. Classic Strip-a-grams. 881-8136.

### WASHINGTON DELICATESSEN

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## Help Wanted

AA Ad agency, PT secretarial skills. Hours flexible, immediate opening. Du Pont Circle. 234-8021.

**CUSTOMER RELATIONS ASSISTANT.** We're looking for enthusiastic individuals with a great attitude and a good phone voice to work in our tele-research center. Day, evening, Saturday hours available, downtown location. Call Elizabeth 293-3511.

**Drivers wanted.** Earn \$8-12/hr., flexible schedules. Right Wing. 342-9464.

Extra bright, responsible student wanted for PT position as executive/administrative assistant for consulting firm. Flexible hours. General computer knowledge required, business experience helpful. Great opportunity for eventual FT employment. Please send resume to Symbiont, Inc., 1575 I St., NW, -1000, Washington, D.C. 20005.

Florist hiring PT delivery and prep people. Flexible schedule, \$5/hr. Apply in person 2015 Florida Ave., NW.

Host/Hostess needed days, 11-3, at Wolensky's. Fun job, great staff. Apply in person, 2000 Pennsylvania NW, between 2:30-5:30. Ask for Herb Kaplan.

Office Help: A responsible person is needed to admit clients; light filing, bulk mailing. M-F, 4:30-8:30pm (hrs flex). \$4/hr. Call Terri at 659-4938.

**PART-TIME** Retail sales, very interesting shop in Crystal City (Arlington). Underground shopping center on the Metro, 5 min. trip. Must be intelligent, dependable, able to communicate. Nice job, nice location, nice people. Call Betty at 979-9175.

Part-Time Manager, nights/weekends. Gourmet ice

cream. \$5-\$7/hour. Apply 110 King St., Alexandria, VA, 9am-3pm.

Part-time promotion assistant Wed. and/or Thurs. from 11-7. Work w/D.C.'s most exciting event marketing agency. Gain great experience while having fun. Call Terrie at 293-3115.

PT counter person needed 12-3 daily. \$5/hr., free lunch. Apply in person at China Grove 1990 K St., NW.

PT front desk clerks and bellmen needed at the Inn At Foggy Bottom. Experience preferred, but we will train the right people. Apply in person at 824 New Hampshire Ave. No phone calls please.

Salesperson (FT or PT) For unique T-shirt shop at National Place. Near Metro Center. Mike, 628-8687.

Student needed evenings, 20 hrs/wk. Work in billing dept of Communications firm. Call Susan at National Satellite Paging 223-2780.

**Vivande Restaurant** is now hiring food servers, bussers, and hosts. Day and evening shifts avail., apply between 2-4pm, M-F, Embassy Suites hotel, 1250 22nd Street, NW.

### EARN \$\$\$ NOW

Established public interest telephone fund raising organization has immediate openings for reliable, articulate, motivated individuals. Earn \$7-\$11/hr. renewing memberships for non-profit cultural and grass roots lobbying groups. PT Sat. and eve's. Call Jay Cole after 6:30 p.m. at 833-1200.

**TUTORS WANTED.** Peer Tutoring Service accepting applicants, all subjects. Contact Ms. Morgan, 401 Rice Hall.

## Opportunities

### CHRISTMAS AT CALDWELL'S

J.E. Caldwell Co., a guild jewelry firm is currently accepting applications for part-time and full-time sales associates, gift-wrappers & shipping/receiving clerks. Several schedules are available. Enjoy immediate employee discount. Please call or submit resume to: Mr. Stephen Silvia, J.E. Caldwell Co., 1140 Connecticut Ave., NW, Washington, DC 20036. (202) 466-6780, EOE.

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Optima Medical Ltd. looking for career oriented senior in Physical Therapy to learn business. Call 703-369-6171.

Students paid to participate in nationwide market research survey. Interested? Call Dana or JoAnn at Campus Dimensions. 1-800-592-2121.

### 5 NOVEL TECHNIQUES FOR COLLEGE MONEY

Five easy to use programs to make money for school with great wealth potential. Personally used programs that can make millions with step by step instructions and money back guarantee. Send \$12.00 to American Business Index, 9411 Lee Highway, Suite 706, Fairfax, VA 22031.

## Services

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**KETARA WORD PROCESSING.** Reports, Theses, Books, Stats, Legal. Tape Transcription. Pick Up/Delivery. 24-hour phone: 703-573-0730. "IBM" "Wordperfect 5.0." Try us-Tell a friend.

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**WORD PROCESSING** by Legal Secretary, \$1.75/page, \$15 minimum. Located three blocks from campus, 780-1688, 248-4360, 960-6851.

## Tutoring

### HELPFUL TUTORING

Finance, statistics, biochemistry. 243-5798

**Need a tutor?** All subjects, reasonable rates. PEER TUTORING SERVICE, 401 Rice Hall, 994-6710. Service of the Dean of Students Office. (Financial assistance available.)

Super Math Tutor. A, B guaranteed. Call Woody at 560-7628.

## Housing Wanted

Student needs DC area housing, convenient to Capitol, January-March. (218)727-1852, evenings.

## Housing Offered

Completely furnished efficiency, good for 1 or 2 people, on campus. \$725/month. Starting ASAP. Call 775-9437.

## Roommates

Roommate needed, 1 bedroom apartment available from Jan-Mid May. Virginia Ave, \$426. Includes utilities. Fully equipped kitchen, spacious living and dining rooms fully furnished. Less than 1 block to campus. Call Jay at 872-0118.

Roommate needed, one-bedroom apt. plus 1 built-in bedroom. Fully equipped kitchen, ac, pool, 24-hr security. Available Dec. 31-Aug. 31. \$390/month at The Claridge House. Call Sam 337-6698.

Roommate needed for 2nd semester. 4-story

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## For Sale - Miscellaneous

Airplane ticket. Roundtrip from DC to Albuquerque Dec. 17. Return negotiable. \$300. Lisa 365-3021 994-0877.

Plane ticket Boston-National, 1-way, Sun Nov 27 or Mon Nov 28. Dara 857-7877.

Word Processor/Printer as new \$200 O.B.O. 536-5213.

## Stereo - TV

For sale- Pioneer Stereo Amplifier. Great condition. \$110. Call Cyndi 483-2913.

## Automotive

Datsun 300ZX Turbo, 1984, Anniv. Edit., mint condition, fully loaded. Very negot. price. Call Dr. Steven, 983-2217.

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# Sports

## GW spikers down VCU for 7th win in a row

The GW volleyball team kept its seven-game win streak alive when it downed Virginia Commonwealth, 15-5, 15-10 and 15-12, Tuesday, in an away game. The Colonial women are 19-13 overall and 6-2 in the Atlantic 10 Conference after clinching third place last weekend with wins over conference foes Temple and Rutgers.

The match was an up and down one for GW. The team had its best hitting percentage (.305) of the season, but also made nine reception errors in the contest, according to GW assistant coach Kevin Kirk. "We didn't play a real sharp match," he said. "We did some things well and some things not so well."

The Colonial women were led by sophomore Lisa McDonald who had six kills, hit .455 and had four blocks. Sophomore Kris Knight chipped in seven kills and hit .400. She also had four of GW's 12 service aces. Senior Cheryl Farley had a team-leading nine digs for GW.

"We went into the game not knowing what to expect," GW head coach Cindy Laughlin said. "We just wanted to play consistently."

Although Laughlin said her team was never in danger of losing a game, VCU was able to challenge GW in the final game. "We had them so far down, (12-1, according to Laughlin) we served them real tough," she said. "They just got on a roll ... we just broke down a little on defense."

**Blocks**—The Colonial women take on Drexel, Friday, at 7:30 p.m. at the Smith Center in the first round of the GW/Coca-Cola Classic Volleyball tournament.

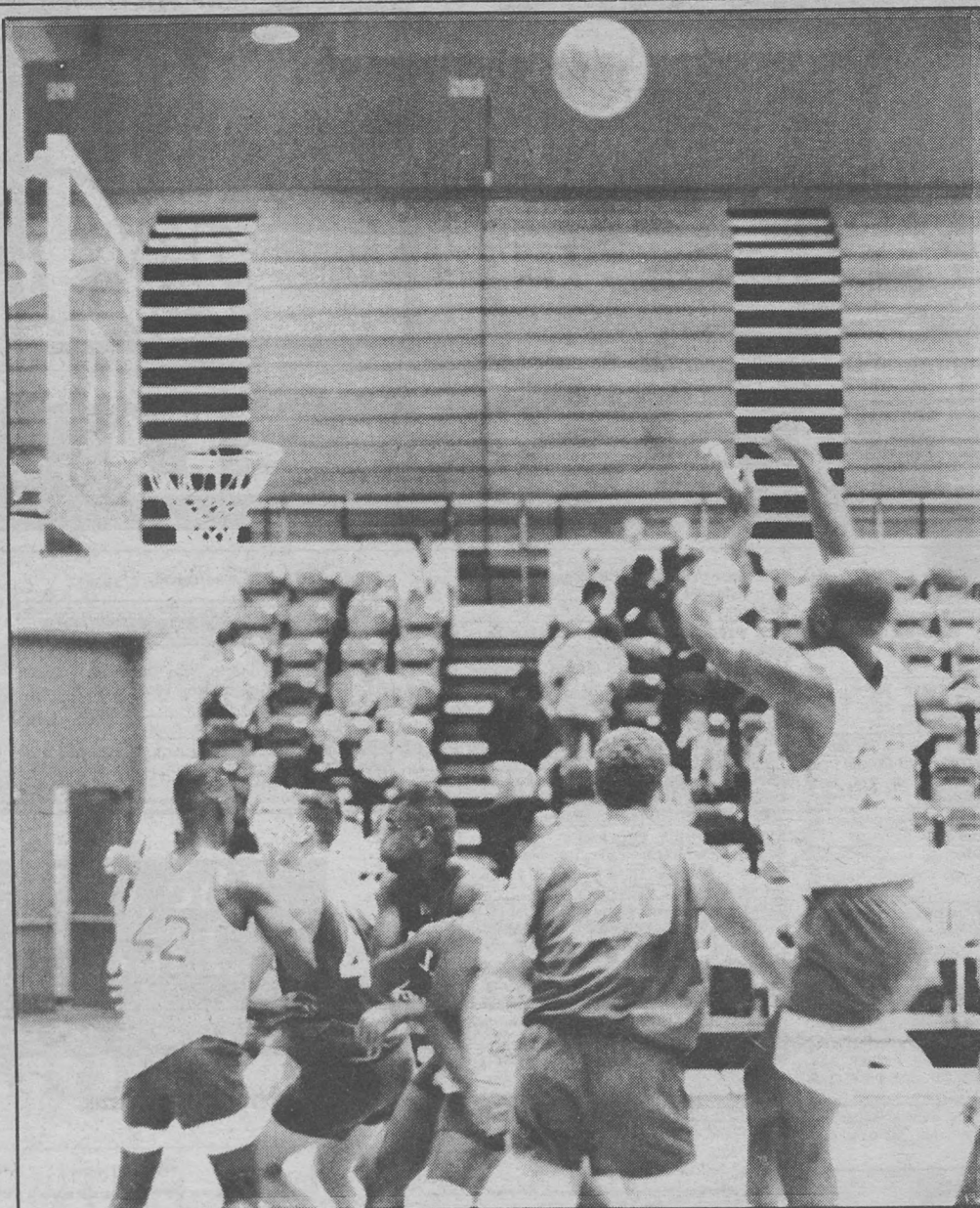
—Richard J. Zack

### UpComing Home Events

**Women's Soccer**  
at RFK  
Sat., 2p.m.  
vs. Yale

**VolleyBall**  
Fri. & Sat.  
GW Coca-Cola  
Classic

(GW, Virginia, Providence, Drexel)



GW guard Ellis McKennie (23) puts up a shot for the White team in the men's basketball team's Annual Blue-White Scrimmage at the Smith Center, Tuesday. The White team made up mostly of veterans (and 6-11 freshman Clint Holtz) won the contest 79-68.

## Two double-OT goals lift Colonial women past Tigers

by Richard J. Zack  
Sports Editor

Victories like this are few and far between. The GW women's soccer team took on a higher-ranked Princeton team in New Jersey and won in dramatic fashion in a double-overtime, 2-0, victory last night.

In the midst of a 13-4-4 campaign that includes two tournament titles and one co-championship, the Colonial women have hit their stride. After tying nationally-ranked Monmouth College, 0-0, Sunday, GW has beaten a team that is ranked higher than itself.

Senior Tracy Dalberth scored first for GW as Maureen Schafer hit Dalberth on the top of the penalty box. Dalberth, with her back to the goal, "one-touched" the ball into the goal one minute into the second overtime.

"We were very happy to score one goal," GW head coach Adrian Glover said. "We were just letting things go ... We didn't make any adjustments, we were just hanging loose."

Approximately two minutes later junior Jennifer Morrison got a pass from Schafer and promptly banged it into the goal from 25 yards out to give the Colonial women a 2-0 lead in the second overtime.

"It's a huge win for us and the girls are really excited," GW assistant coach Sheryl Walters said. "The second half was a complete turnaround from the first half and it just carried over into the first and second overtime."

Again the GW defense allowed the offense to operate effectively and after scoring fewer goals this season the Colonial women have had to rely on their defense more and more, according to Walters. "Your best offense is a good defense ... after the first goal we just decided to continue at the same level of play," she said. "We didn't tell them to just back off and play defense and it opened up some other chances."



GW's Lisa Cellura (24).

With Schafer's two assists, she now has 20 points on the season and has been one of GW's offensive leaders after losing offensive-minded freshman Shauna Christensen to injury at mid-season.

**Saves**—The Colonial women come back to RFK Auxiliary Field to play their final match of the season against Yale, Saturday at 2 p.m.

## Men's soccer gets ready for A-10 tourney

by Ted Gotsch  
Hatchet Staff Writer

For the GW men's soccer team, the season has come down to one game. In a year when the team struggled early on to win, and then went out and beat Indiana—the number-one ranked team in National Collegiate Athletic Association-Division I. It will all come down to a series of seasons that will last 90 minutes to determine what the team's fate will be. It begins, tomorrow, against Penn State in the semi-finals of the Atlantic 10 Conference Championship Tournament.

"The game is a new beginning for us," junior goalkeeper Harry Bargmann said. "A lot of attitudes have changed (with the St. Bonaventure victory). We're going to do all right."

Even with a 6-8-4 record and the number-one seed as their opponent, the team is confident. "We have to play our game. They are not that good of a team," senior co-captain Kenny Emson said. "If we play as good of a game as we played in the last half-hour of our first game (a 1-0 loss), we will beat them."

GW head coach George Lidster said change will be the key to the Colonial's game. "We will play a little differently," Lidster said. "It was our first game and we were a little tentative. We will attack them more."

There will be other factors in the game, however. "The game is on astro-turf and it tends to be a fast surface," Lidster said. "We must keep our concentration on defense, and on offense our passes must be exact."

"Their play is fairly similar to ours," Lidster said. "They are more physical, but they pass around a lot too."

Penn State enters the game with four injuries to players. Jan Skoran and Steve Frantz are both likely to play, while Danny Kelly and Dan Gil are doubtful as to whether they will play. Frantz has scored seven goals this year, and is second on the team.

"This year's tournament will be more competitive because of the automatic bid," Barry Gorman, head coach of Penn State, said. "We'll go out and play, and may be the best team win."

Lidster said he will not change his philosophy for Penn State's injuries. "Frantz is one tough customer, he scored the goal against us in the first game," Lidster said. "And we have injuries of our own. Chris Koczan will be out, and he just got back on the team. Andrea Russo, Bruce Heon and Erwin Stierle have played hurt all season. At this stage of the season everyone has got injuries."

GW's main scoring force this year has been freshman Mario Lone, who leads the team with seven goals and one assist for 15 points overall. However, he feels no extra burden of carrying the offense. "I guess I am confident with myself," Lone said. "It is a team sport, and we are just going to play the way we have this season. We've had a bad year scoring, but we just have to go out and play our game. We are very confident. We have a job to do."

With the team averaging only one goal per game, much of the responsibility has fallen on the shoulders of Bargmann. He said he thinks things will be different against Penn State. "Things are coming together. It (the victory against St. Bonaventure) is a confidence builder," Bargmann said. "I'd love to shut them out, but we don't have to to win."

For Kenny Emson, the game against Penn State could be the end of what is one of the most successful careers in Colonial soccer history. He is the fourth all-time scorer with 26 goals and is third all-time in assists with 15. That will not get in the way when the team takes the field, though, he said. "It is no more motivation," Emson said. "Since it is elimination, we will be playing it all out. I'm very excited about the game."

If GW beats Penn State, the Colonials will take on the winner of the Rutgers-Temple game, Sunday.